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Includes List of Source Journals

CAB INTERNATIONAL

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Nematological Abstracts

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Produced by the DIVISION OF CROP PROTECTION AND GENETICS
in association with the International Institute of Parasitology

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Nematological Abstracts

Volume 64

CAB INTERNATIONAL

Prepared by

CAB INTERNATIONAL
DIVISION OF CROP PROTECTION AND GENETICS

1995

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How to use Nematological Abstracts

• Either BROWSE, using the CONTENTS

Within each issue, records are sequenced according to their principal subject matter - see CONTENTS page.

About half the records are arranged by CROP or other host plant, so browsing is particularly useful to crop specialists.

Coverage includes plant parasitic nematodes (not limited to those on economically important plants), free living nematodes in soil or water, and nematodes associated with invertebrates as final hosts.

• Or SEARCH, using the INDEXES

Subject indexes and author indexes are compiled quarterly and cumulated annually.

SUBJECT INDEX

This guides the user to all the records that make significant reference to specific topics, including the following:

NEMATODES, OTHER INVERTEBRATES AND MICROORGANISMS

Scientific names are used. Records that refer to ecological groups of nematodes in a general way are indexed under these group names: Plant parasitic nematodes, Entomophilic nematodes, Free living nematodes, Marine nematodes. The following headings are used to group the names of individual organisms: Arthropods, Bacteria, Fungi, Insects Nematophagous fungi, Plant viruses.

HOST PLANTS

English common names are used for major crops, scientific names for minor crops and other plants. Records that refer mainly to groups are indexed under group names, e.g. cereals, vegetables.

COUNTRY OR REGION

For records where geographical occurrence is of particular relevance.

AGROCHEMICALS etc

Including common or chemical names, with cross-references from proprietary names. See also Nematicides for general records.

OTHER HEADINGS

The main ones are listed here. Scan the ANNUAL INDEX for a more complete picture.

Adaptation
Behaviour
Bibliographies
Biochemistry
Biological control
Biological control agents
Biology
Books
Chemical control
Conferences
Cultural control
Damage
Development
Ecology
Evolution
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New geographic records
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Plant extracts
Population dynamics
Quarantine
Reports
Residues
Resistance
Reviews
Soil
Spread
Surveys
Taxonomy
Techniques
Theses
Transmission
Ultrastructure

AUTHOR INDEX

All authors of each paper are indexed alphabetically by surname. Variants of surnames are also indexed.

A TYPICAL RECORD

This contains various numbers and combinations of fields (items of information) depending on the document type. The sample abstract given below contains 10 of the most important and common fields. These appear in the order indicated in the list below.

1 Abstract number
2 Author
3 Title in English
4 Original title if in Roman script
5 Journal or other document
6 Year, volume, part number and pagination
7 Language of text, language of summaries, bibliographic details
8 Organization where work was carried out
9 Abstract
10 Preferred name, if the author uses another name

The title should be read as an integral part of the abstract.

1531 MATEILLE, T. **[Biochemical reactions provoked by three phytoparasitic nematodes in roots of *Musa acuminata* (AAA Cavendish group) cv. Poyo and Gros Michel.]** Réactions biochimiques provoquées par trois nématodes phytoparasites dans les racines de *Musa acuminata* (group AAA) variétés Poyo et Gros Michel. *Fundamental and Applied Nematology* (1994) **17** (3) 283-290 [Fr, en, 35 ref.] ORSTOM, 01 B.P. V51, Abidjan 01, Côte-d'Ivoire.

Radopholus similis, Helicotylenchus multicinctus and *Hoplolaimus pararobustus* were inoculated on *vitro*-planted specimens of *Musa acuminata* (AAA triploid) cv. Poyo and Gros Michel reared in containers. The evolution of concn of total phenols and indols, and of peroxidase, polyphenol oxidase [catechol oxidase] and lyase activities was related to nematode densities in the roots. Histochemical measurements confirmed these observations. The same metabolic pathways occurred in healthy plants of both cultivars but they were more intense in one than the other. Compatibility of Poyo to *R. similis* was due to a high polyphenoloxidase activity. Gros Michel, which is less compatible to this nematode, was characterized by a higher peroxidase activity. The polyphenol pathway was more intense in Poyo than in Gros Michel. *H.multicinctus* and *H. pararobustus* did not change the phenol metabolism significantly. It is concluded that compatibility of *M. acuminata* to phytoparasitic nematodes depends both on the cultivars and the nematode species.

TO OBTAIN A COPY OF THE ORIGINAL ITEM

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LIST OF JOURNALS CITED

The annual index includes an alphabetical list of all journals cited during the year.

ABBREVIATIONS

A number of easily understood abbreviations are used (e.g. sp., species). Initial letters may be used for a virus after its full name has appeared. The following are also used:

a.i.	active ingredient	EM	electron microscope	PAGE	polyacrylamide gel electrophoresis
coeff.	coefficient	FW	fresh weight	RH	relative humidity
conc.	concentrated	ID	infective dose	SEM	scanning electron microscope
concn	concentration(s)	IU	International unit	str.	strain
CV	coefficient of variation	J_2	second-stage juvenile(s)	TEM	transmission electron microscope
DM	dry matter	LC	lethal concentration		
DW	dry weight	LD	lethal dose		
ED	effective dose	LT	lethal time		
ELISA	enzyme-linked immunosorbent assay	*NA*	*Nematological Abstracts*		

In abbreviations for languages an initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	Es	Spanish	Ko	Korean	Ru	Russian
Al	Albanian	Fi	Finnish	La	Latin	Sh	Serbo Croat
Ar	Arabic	Fr	French	Li	Lithuanian	Sk	Slovak
Az	Azerbaijani	Gr	Greek	Lv	Latvian	Sn	Slovenian
Be	Belarussian	He	Hebrew	Ma	Macedonian	Sr	Serbian
Bg	Bulgarian	Hi	Hindi	My	Bahasa Malaysia/ Malay	Sv	Swedish
Ch	Chinese	Hr	Croatian			Ta	Tajik
Cs	Czech	Hu	Hungarian	Nl	Dutch, Flemish	Th	Thai
Da	Danish	Ia	Interlingua	No	Norwegian	Tr	Turkish
De	German	In	Indonesian	Pe	Persian	Uk	Ukrainian
Ee	Estonian	Is	Icelandic	Pl	Polish		
En	English	It	Italian	Pt	Portuguese		
Eo	Esperanto	Ja	Japanese	Ro	Romanian		

CAB INTERNATIONAL Division of Crop Protection and Genetics
How the crop protection abstract journals are compiled

Review of Agricultural Entomology — *Nematological Abstracts*
Review of Plant Pathology — *Weed Abstracts*

Their purpose

These four journals are designed to keep readers in touch with developments in the crop protection sciences, by abstracting the more important world scientific literature and by publishing review articles. A calendar of crop protection events is included. The abstracts are intended to be full enough for readers to decide whether they need to see the original documents.

The scale and diversity of the agricultural source literature

Over 10,000 journals and other serial publications on agriculture and allied disciplines are received regularly by CAB INTERNATIONAL; these comprise more than 45,000 documents annually. Over 3000 books and other non-serials are also received each year. Publications are received from some 130 countries in more than 50 languages. Even though English is increasingly the international language of science, some 40% of the literature is in other languages.

Scanning and abstracting the source literature of crop protection

All these documents are scanned by CABI subject specialists and are available to the CABI Division of Crop Protection and Genetics. About 3000 journals, and numerous new books, are scanned regularly in the Division, whose staff includes specialists in entomology, plant pathology, nematology, weed science, plant genetics, and also linguists.

These specialists identify items within the scope of the four crop protection journals - broadly, scientific documents about agriculturally significant pests (invertebrates, plant pathogens and weeds), beneficial organisms, and relevant crop protection practices and products.

For each item, a record is created consisting of:

- bibliographic information
- an abstract, in English
- subject coding
- index terms.

The CAB ABSTRACTS database

These records are added to the CAB ABSTRACTS bibliographic database. This machine-readable database contains all records published since 1973 in about 50 CABI abstract journals. The total of nearly 3 million records is growing by more than 150,000 new records per year, of which about 21,000 per year are on crop protection. The database is available to users for retrospective retrieval and for maintaining current awareness of literature on defined topics. See separate page, and inside back cover.

The crop protection abstract journals

At intervals, relevant records newly added to the database are selected and become the basis for a new issue of one of the crop protection journals. Records are sorted into a standard sequence within each journal issue, according to subject matter. An author index and a subject index are generated. Cumulative indexes are generated at the end of each year.

Scientific links

Each of the four crop protection journals has its own international Editorial Advisory Board of subject specialists. Their members advise on the content and development of the journals, and commission review articles of topical interest.

The CABI Division of Crop Protection and Genetics maintains close contact with the International Institute of Entomology (IIE), the International Mycological Institute (IMI), the International Institute of Parasitology (IIP) and the International Institute of Biological Control (IIBC). These links are especially important in providing the authority for the preferred names of pest organisms used in the journal indexes. IIBC is responsible for compiling the related abstract journal *Biocontrol News and Information.*

The Division of Crop Protection and Genetics maintains close contact with subject specialists in four other Divisions of the CABI Information Services who compile 45 abstract journals covering the rest of agriculture, forestry and allied disciplines. Comments from users are always welcome. Please write to Mr Geoffrey A. Viney, Division of Crop Protection and Genetics, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK.

Review Articles - Notes for Authors

General

Articles reviewing any topical aspect of crop protection are welcomed in the journals *Review of Agricultural Entomology, Review of Plant Pathology, Nematological Abstracts* and *Weed Abstracts*. They should be authoritative, personal, succinct analyses of topical subjects, aimed at the general reader rather than the specialist. (Many readers, especially in developing countries, may see few other journals covering the particular topic). A comprehensive literature review is not needed, but CABI can provide recent bibliographic records if required. Manuscripts describing original research will not normally be accepted. Reviews submitted for publication should be sent, in duplicate, to the Head, Department of Crop Protection, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK. Inclusion of a disk version, preferably as an ASCII text file or in MS Word or Word for Windows, will hasten the process of publication. The paper will be refereed and edited. The final decision on acceptance rests with the Head, Department of Crop Protection. A small honorarium will be paid on publication. The views expressed in review articles are those of the authors and do not necessarily reflect the views of their employers or CAB INTERNATIONAL. The article becomes copyright of CAB INTERNATIONAL.

Text

Manuscripts should be typewritten on one side of A4 paper, lines double-spaced, with wide margins and the sheets numbered. The text should start with a short abstract (not normally more than 200 words). No more than four levels of heading should be used. Numbers up to nine should be spelt out but figures used for 10 and above, except at the beginning of a sentence (always spelt out) and before units (always in figures).

Tables

Tables should be reduced to the simplest form, and should not repeat information in the text. They should be submitted on separate sheets, with a self-explanatory caption.

Figures

Line drawings should be labelled fully, ready for reduction by about half in the printed review. Legends should be self-explanatory, and grouped together on a separate sheet. Half-tones cannot normally be included.

References

In the text, they should be cited by author and date, e.g.: "(Holt, 1992)", "Powles & Matthews (1992) reported...", "(Jorrín *et al.,* 1992)". At the end of the review, they should be listed alphabetically, for example:

Holt, J. S. (1992). History of identification of herbicide-resistant weeds. *Weed Technology* **6**, 615-620.

Jorrín, J.; Menéndez, J.; Romera, E.; Taberner, A.; Tena, M.; Prado, R. de (1992). Chlorotoluron resistance in a blackgrass (*Alopecurus myosuroides*) biotype is due to herbicide detoxification. *Proceedings of the 1992 Gent Crop Protection Conference, Weeds*, pp. 1047-1052.

Powles, S. B.; Matthews, J.A. (1992). Multiple herbicide resistance in annual ryegrass (*Lolium rigidum*): a driving force for the adoption of integrated weed management. *In: Achievements and developments in combating pesticide resistance* (Ed. by Denholm, I.; Devonshire, A. L.; Holloman, D. W.), pp. 75-87. Elsevier, London, UK.

Offprints

Thirty free offprints will be sent to the first author of each article. Further copies may be obtained on payment, and the number required should be specified when the proofs are returned.

INTERNATIONAL INSTITUTE OF PARASITOLOGY

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Tropical Parasitic Diseases: S. Townson, MSc, PhD
Entomopathogenic Nematodes: W.M. Hominick, MSc, PhD

The International Institute of Parasitology (IIP), founded in 1929, has a staff of 37 and provides taxonomic identification, research, consultancy and contract services to world agriculture and medicine. The Institute is an International centre for the biosystematics of parasitic helminths of animals and man, and plant parasitic and entomopathogenic nematodes. Publications include research papers, books, monographs and keys (details on request).

Institute staff are active in project work in many parts of the world, acting as consultants or researchers for a variety of international and national agencies. IIP staff contribute as advisers to field and survey work, and provide an authoritative service for the nematodes and helminths collected.

Biosystematics Services

IIP provides an authoritative identification service to agricultural, biological and medical scientists throughout the world. The service handles plant parasitic and entomopathogenic nematodes and helminth parasites of animals and man. In addition to employing classical taxonomic methodologies, IIP also has a well equipped molecular biology unit engaged in parasite biosystematics. The services are backed by well documented and extensive reference collections including those of several eminent helminthologists; living cultures of plant parasitic nematodes are maintained in the IIP greenhouses; living cultures of entomopathogenic nematodes are also maintained. IIP's team of specialists is also involved in research including taxonomic revision of economically important groups of helminths and plant parasitic nematodes and the production of identification aids. Details of charging and advice on collection, preservation and despatch of specimens for identification are available on request.

Tropical Plant Nematology Advisory and Research Unit

The unit provides an advisory service to countries in the sub-tropics and tropics, as an adjunct to the identification services provided at the Institute. It gives practical information and advice on the economic importance and control methods that can be employed on nematodes identified. Staff are available for consultancies on nematode problems and can undertake surveys of individual crops or regions, plan workshops or give in-country advice on existing nematode projects and problems. Staff are engaged in funded research on tropical nematodes in glasshouses and laboratories at the Institute, which also provides facilities for visiting research workers. The unit is part of a "Research Group for Nematodes in Tropical and Subtropical Agriculture" formed between the Institute and the BBSRC Institute of Arable Crops Research, Rothamsted, UK.

Tropical Parasitic Diseases Unit

The unit carries out research projects directed towards the prevention and treatment of human tropical parasitic diseases. Research at IIP has focused on onchocerciasis, lymphatic filiariasis and malaria and their arthropods vectors, and is funded by major international agencies such as WHO and the Edna McConnell Clark Foundation. These projects are part of a world-wide multidisciplinary research effort to find and develop new drugs and vaccines, and involve collaboration between pharmaceutical companies, university and institute based research groups and clinical groups working in field trials.

Training

IIP offers both formal and informal training courses and facilities for visiting workers. Training is particularly orientated towards scientists and extension workers in developing countries. Courses of six weeks duration, on the identification of helminth parasites or plant parasitic nematodes of economic importance, are offered in alternate years to groups of fifteen participants.

Supervised individual study periods of up to 12 months is offered by IIP's specialists and facilities are available for postgraduate studies for higher degrees or as part of a higher degree course. IIP is an associated Institute of the University of London and Reading University.

Library

The IIP library offers a specialist collection of over 6600 books, 231 serial titles and over 28,000 reprints on helminthology, protozoology and plant nematology available to outside users. Computer terminals permit on-line retrieval from the world's major databases, including CAB ABSTRACTS, and offers a photocopying service as part of CABI's Document Delivery Service. IIP collaborates with the Information Services of CABI in the production of books and journals in its field.

Further details

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CAB ABSTRACTS Database

All of the bibliographic references and abstracts published in any CABI Abstract Journal are included in a computerised database called CAB ABSTRACTS. The database, containing nearly 3 million records and dating back to 1973, is available in a variety of electronic formats, to suit every need.

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SOILCD - soils, water and land management

HORTCD - horticulture, ornamental horticulture and plantation crops

PLANTGENECD - plant breeding and genetics

AGECONCD - agricultural economics and rural development

CROPCD - field crops, fodder crops and grasslands

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CABIKEY - interactive identification key for various groups of insects and other organisms.

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Many other serials were scanned during 1995 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses.

Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agriculturae Boreali-Sinica
Acta Agriculturae Shanghai
Acta Agriculturae Universitatis Pekinensis
Acta Agronomica Sinica
Acta Entomologica Lituanica
Acta Horticulturae
Acta Mycologica Sinica
Acta Oecologica
Acta Parasitologica Lituanica
Acta Phytopathologica et Entomologica Hungarica
Acta Phytopathologica Sinica
Acta Phytophylacica Sinica
Acta Societatis Zoologicae Bohemicae
Acta Universitatis Agriculturae, Facultas Agronomica
Acta Zootaxonomica Sinica
Afro-Asian Journal of Nematology
Afro-Asian Nematology Network
Agrarforschung
Agri-food Research in Ontario
Agricultural Reviews (Karnal)
Agricultural Science in Finland
Agriculture, Ecosystems & Environment
AgriScientia
Agro Food Industry Hi-Tech
Agronomía Colombiana
Agronomía Costarricense
Agronomía Tropical (Maracay)
Agronomie
Agronomy Journal
Al Awamia
AMA, Agricultural Mechanization in Asia, Africa and Latin America
American Entomologist
American Journal of Enology and Viticulture
American Midland Naturalist
American Potato Journal
Anadolu
Analytical Biochemistry
Animal Behaviour
Annales des Sciences Forestières
Annals of Agricultural Research
Annals of Agricultural Science (Cairo)
Annals of Agricultural Science, Moshtohor
Annals of Applied Biology
Annals of Bangladesh Agriculture
Annals of Biology (Ludhiana)
Annals of Plant Protection Sciences
Annals of the Phytopathological Society of Japan
Annual Review of Entomology
Annual Review of Genetics
Annual Review of Microbiology
Annual Review of Phytopathology
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
Applied Botany Abstracts
Applied Entomology and Phytopathology
Applied Entomology and Zoology
Aquatic Toxicology
Arab Journal of Plant Protection
Arboriculture Fruitière
Archiv der Pharmazie (Weinheim)
Archives of Environmental Contamination and Toxicology
Archives of Phytopathology and Plant Protection
Arroz
ASCOLFI Informa
ASM News (Washington)
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Australian & New Zealand Wine Industry Journal
Australian Grapegrower and Winemaker
Australian Journal of Agricultural Research
Australian Journal of Experimental Agriculture
Bangladesh Journal of Jute and Fibre Research
Bayerisches Landwirtschaftliches Jahrbuch
Belgian Journal of Zoology
Betodlaren
Biochemical Journal (London)
Biochemical Pharmacology
Biochemistry and Molecular Biology International
Biochimica et Biophysica Acta, Gene Structure and Expression
Biochimie
Biocontrol Science and Technology
BioEssays
Biogeographica
Biológia (Bratislava)
Biological Agriculture & Horticulture
Biological Control
Biological Reviews of the Cambridge Philosophical Society
Biology and Fertility of Soils
Biomedical and Environmental Sciences
Bioresource Technology
Bioscience, Biotechnology and Biochemistry
Bioved
Biuletyn Instytutu Ziemniaka
Boletín de Sanidad Vegetal, Plagas
BPP, Buletinul de Protecţia Plantelor
Bragantia
British Sugar Beet Review
Bulletin - United Planters' Association of Southern India.
Bulletin de l'Institut Royal des Sciences Naturelles de Belgique, Biologie
Bulletin de la Société Zoologique de France
Bulletin OEPP
Bulletin of Environmental Contamination and Toxicology
Bulletin of Faculty of Agriculture, University of Cairo
Bulletin of the Forest Tree Breeding Institute
Bulletin of the Tokyo University Forests
Bulletin OILB/SROP
Byulleten' Glavnogo Botanicheskogo Sada
Cahiers de Biologie Marine
Cahiers ORSTOM, Série Pédologie
California Agriculture
Canadian Entomologist
Canadian Journal of Botany
Canadian Journal of Forest Research
Canadian Journal of Plant Pathology
Canadian Journal of Zoology
Cell (Cambridge)
Champignon
Chemistry Letters
Chemosphere
China Citrus
China Fruits
China Tobacco
China Vegetables
Chinese Journal of Biological Control
Chinese Journal of Ecology (Beijing)
Chinese Journal of Parasitic Disease Control
Chinese Journal of Zoology
Ciencia Biologica, Ecologia e Systematica
Colture Protette
Comparative Biochemistry and Physiology. A, Physiology
Comparative Biochemistry and Physiology. B, Biochemistry & Molecular Biology
Congrès d'Hiver, Institut International de Recherches Betteravières
Crop Protection
Crop Research (Hisar)
Crop Science
Cukoripar
Current Biology
Current Nematology
Current Opinion in Cell Biology
Current Opinion in Genetics & Development
Deciduous Fruit Grower
Development (Cambridge)
Developmental Biology
Developmental Genetics
Discovery and Innovation
DNA Sequence

Documentos - Centro de Pesquisa Agroflorestal da Amazônia Oriental
Down to Earth
Ecology
Ecotoxicology and Environmental Safety
Electrophoresis
EMBO Journal
Entomologia Experimentalis et Applicata
Entomophaga
Environment and Ecology
Environmental Entomology
Environmental Toxicology and Chemistry
EPPO Technical Document
Euphytica
European Journal of Forest Pathology
European Journal of Plant Pathology
European Journal of Soil Biology
Experientia
Experimental & Applied Acarology
Experimental Parasitology
Extension Bulletin - ASPAC, Food & Fertilizer Technology Center
FAO Plant Production and Protection Series
Farming Systems
FEBS Letters
Fitopatología
Fitopatologia Brasileira
Fitopatología Colombiana
Fitopatología Venezolana
Florida Entomologist
Folia Horticulturae
Folia Parasitologica
FONAIAP Divulga
Food Technologist
Forest Pest and Disease
Forest Products Journal
Forest Science and Technology of Shandong
Forestry of China
Fourrages
Fragmenta Faunistica
Fragmenta Phytomedica et Herbologica
Fresenius Environmental Bulletin
Freshwater Biology
Fruit Varieties Journal
Fruits (Paris)
Fujian Fruit Tree
Fujian Tropscience
Fundamental and Applied Nematology
Fungicide and Nematicide Tests
Gartenbau (Berlin)
Gartenbau Magazin
Gartenbauwissenschaft
Gazeta Cukrownicza
Gene
Genes & Development
Genetica
Genetics
Genome
Gesunde Pflanzen
Gewasbescherming
Gorsko Stopanstvo
Guangdong Agricultural Sciences
Guangxi Agricultural Science
Guangxi Plant Protection
Gulf Research Reports
Haryana Agricultural University Journal of Research
Haryana Journal of Horticultural Sciences
Hassadeh
Helminthologia
Hodowla Roślin, Aklimatyzacja i Nasiennictwo
Hoja Tecnica - MIP/CATIE
Holly Society Journal
HortScience
HortTechnology
Hubei Agricultural Science and Technology
Hubei Plant Protection
Hydrobiologia
IBPGR Newsletter for Asia, the Pacific and Oceania
ICRISAT Information Bulletin
Ilmu Pertanian
Indian Coconut Journal (Cochin)
Indian Horticulture
Indian Journal of Agricultural Research
Indian Journal of Agricultural Sciences
Indian Journal of Ecology
Indian Journal of Entomology
Indian Journal of Forestry
Indian Journal of Helminthology
Indian Journal of Hill Farming
Indian Journal of Malariology
Indian Journal of Mycology and Plant Pathology
Indian Journal of Nematology
Indian Journal of Parasitology
Indian Journal of Plant Protection
Indian Phytopathology
Indian Sugar
Indonesian Agricultural Research & Development Journal
Industrial Crops Research Journal
Information Report - Pacific and Yukon Region, Forestry Canada
Informatore Agrario
Informatore Fitopatologico
Infos (Paris)
Inligtingsbulletin - Instituut vir Tropiese en Subtropiese Gewasse
International Arachis Newsletter
International Journal for Parasitology
International Journal of Environmental Analytical Chemistry
International Journal of Pest Management
International Journal of Pharmacognosy
International Journal of Systematic Bacteriology
International Journal of Tropical Plant Diseases
International Pest Control
International Pigeonpea Newsletter
International Rice Research Notes
Invertebrate Taxonomy
Investigación Agraria, Producción y Protección Vegetales
IPM Practitioner
Izvestiya Akademii Nauk Azerbaĭdzhanskoĭ SSR, Biologicheskie Nauki
Izvestiya Akademii Nauk Turkmenistana. Seriya Biologicheskikh Nauk
Japanese Journal of Applied Entomology and Zoology
Japanese Journal of Ecology
Japanese Journal of Nematology
Japanese Journal of Soil Science and Plant Nutrition
Japanese Journal of Tropical Agriculture
JICA Ref Series
Journal - American Society of Sugar Cane Technologists
Journal - Shanxi Agricultural University
Journal of African Zoology
Journal of Agricultural and Food Chemistry
Journal of Agricultural Science
Journal of Agriculture of the University of Puerto Rico
Journal of Antibiotics
Journal of Applied Ecology
Journal of Applied Entomology
Journal of Arboriculture
Journal of Biological Chemistry
Journal of Cell Science
Journal of Communicable Diseases
Journal of Controlled Release
Journal of Economic Entomology
Journal of Entomological Science
Journal of Environmental Quality
Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
Journal of Essential Oil Research
Journal of Experimental Biology
Journal of Experimental Botany
Journal of Fruit Science
Journal of Fujian Agricultural University
Journal of Fujian College of Forestry
Journal of General Virology
Journal of Genetics & Breeding
Journal of Hebei Agrotechnical Teachers College
Journal of Helminthology
Journal of Heredity
Journal of Horticultural Science
Journal of Invertebrate Pathology
Journal of Jiangsu Forestry Science & Technology
Journal of King Saud University, Agricultural Sciences
Journal of Laiyang Agricultural College
Journal of Medical Entomology
Journal of Medicinal Chemistry
Journal of Molecular Biology
Journal of Molecular Evolution
Journal of Morphology
Journal of Mycopathological Research
Journal of Nanjing Agricultural University
Journal of Natural Products
Journal of Natural Resources and Life Sciences Education
Journal of Nematology
Journal of Parasitology
Journal of Phytopathology
Journal of Plant Nutrition
Journal of Plant Physiology
Journal of Production Agriculture
Journal of Research, Birsa Agricultural University
Journal of Research, Punjab Agricultural University
Journal of Root Crops
Journal of Scientific & Industrial Research
Journal of South China Agricultural University
Journal of Southwest Agricultural University
Journal of Spices and Aromatic Crops
Journal of Sugar Beet Research
Journal of Sustainable Agriculture
Journal of Tea Science

Journal of the American Society for Horticultural Science
Journal of the Chinese Agricultural Chemical Society
Journal of the Egyptian Society of Parasitology
Journal of the Helminthological Society of Washington
Journal of the Indian Society for Cotton Improvement
Journal of the Institute of Agriculture and Animal Science,
Journal of the Japanese Forestry Society
Journal of the Japanese Society for Horticultural Science
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